## (19) World Intellectual Property Organization International Bureau



#### 

### (43) International Publication Date 18 January 2001 (18.01.2001)

**PCT** 

# (10) International Publication Number WO 01/03900 A1

(51) International Patent Classification7: A21C 11/10, 11/16 B29B 9/06,

- (21) International Application Number: PCT/EP00/06612
- (22) International Filing Date:

6 July 2000 (06.07.2000)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 60/142,827

8 July 1999 (08.07.1999) US

- (71) Applicant (for all designated States except US): SOCIETE DES PRODUITS NESTLE S.A. [CH/CH]; P.O. Box 353, CH-1800 Vevey (CH).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): FARNSWORTH, John, T. [US/US]; 3010 North 36th Terrace, St. Joseph, MO 64506 (US). BOATMAN, Jack, K. [US/US]; 3609 Emerald Lane, St. Joseph, MO 64506 (US).

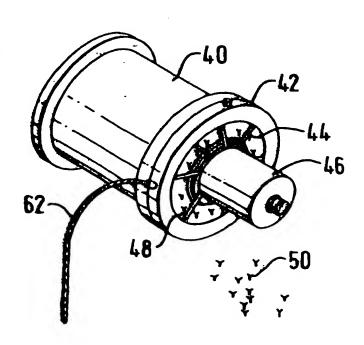
- (74) Common Representative: SOCIETE DES PRODUITS NESTLE S.A.; For Atm. of Ashby, Kevin, P.O. Box 353, CH-1800 Vevey (CH).
- (81) Designated States (national): AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.
- (84) Designated States (regional): European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).

#### Published:

- With international search report. V

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

#### (54) Title: EXTRUSION DIE PLATE AND CUTTER ASSEMBLY WITH HYDRAULIC MOTOR



(57) Abstract: A die plate (42) for an extruder is coupled directly to a fluid-driven motor (52) on one side and to an extruder (40) on the other side. Suitable fluid inlet (56) and outlet (60) passages are formed in the die plate to supply the motor (52) with fluid and withdraw fluid. A cutter assembly includes a housing (47) to receive the motor (52) within and is coupled for rotation to an output shaft (64) from the motor, so that in use blades (48) mounted on the housing (47) are caused to rotate into the path of extrudate and to sever it.

WO 01/03900 AJ